

ABSTRACT

A poly(α -olefin) copolymer obtained from the polymerization of at least one α -olefin
5 having from 2 to about 20 carbon atoms and at least one bulky olefin, the process comprising
polymerizing the monomers in the presence of hydrogen and a catalytically effective amount
of a catalyst comprising the product obtained by combining a metallocene procatalyst with a
cocatalyst; lubricant compositions comprising such poly(α -olefin) copolymer; and a method
for improving the viscosity index of a lubricant composition using such poly(α -olefin)
10 copolymer.